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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor Patent Application of:

Joo-Ho KIM, et al.

Serial No: 10/514,422

Group Art Unit: 2655

Confirmation No. 8814

Filed: June 29, 2005

Examiner:

For: RECORDING MEDIUM HAVING HIGH MELTING POINT RECORDING LAYER,  
INFORMATION RECORDING METHOD THEREOF, AND INFORMATION  
REPRODUCING APPARATUS AND METHOD THEREFOR

**REQUEST FOR CORRECTED FILING RECEIPT**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

It is requested that the number of drawings, and the city of residence for the first Applicant be corrected on the Official Filing Receipt, and that the names and cities of residence for the first and second Assignee on the Official Filing Receipt be added. The correct number of drawing is **6**, as is evidence by the, Stamped Post Card, attached to the application as filed. The correct city of residence for the first Applicant is **Yongin-si, REPUBLIC OF KOREA**, as is evidenced by the Declaration. The name and city of residence for the first Assignee is **SAMSUNG ELECTRONICS CO., LTD., Suwon-si, REPUBLIC OF KOREA**, and the name and city of residence for the second Assignee is **NATIONAL INSTITUTE of ADVANCED INDUSTRIAL SCIENCE and TECHNOLOGY, Chiyoda-ku, TOKYO, JAPAN**. as is evidenced by the Assignment, attached to the application as filed. For the convenience of the Patent and Trademark Office, attached is a photocopy of the original receipt on which the errors have been noted in red.

It is requested that a corrected Official Filing Receipt be issued in this application.

Respectfully submitted,

STAAS & HALSEY LLP

Date: 17. 2006

By: [Signature]  
Gene M. Garner, II  
Registration No. 34,172

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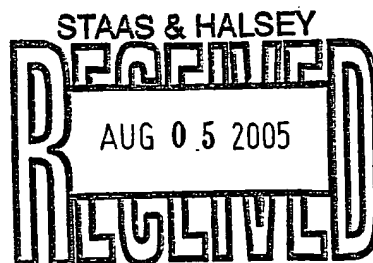


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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/514,422	06/29/2005	2655	1668	1793.1553	10	34	6

CONFIRMATION NO. 8814

21171  
STAAS & HALSEY LLP  
SUITE 700  
1201 NEW YORK AVENUE, N.W.  
WASHINGTON, DC 20005



## FILING RECEIPT



\*OC000000016566360\*

Date Mailed: 07/22/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Joo-Ho Kim, [Gyeonggi-do] KOREA, REPUBLIC OF; --Yongin-Si--  
Junji Tominaga, Ibaraki, JAPAN;

-- Assignment FOR Published PATENT Application --

-- Samsung Electronics Co., LTD., Suwon-Si, Republic of Korea --

-- NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY, Chiyoda-KU, TOKYO JAPAN --

Power of Attorney: The patent practitioners associated with Customer Number 21171.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/KR03/00968 05/16/2003

## Foreign Applications

JAPAN 2002-141664 05/16/2002

Projected Publication Date: 10/27/2005

Non-Publication Request: No

Early Publication Request: No

## Title

Recording medium having high melting point recording layer, information recording method thereof, and information reproducing apparatus and method therefor

**Preliminary Class**

369

**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

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Please Date Stamp and return

PCT Transmittal: Fee Transmittal, Preliminary Amendment (8 pages), Drawings (6 pages) (FIGS. 1, 2, 3A-3B, 4A-4B, 5), Substitute Specification (10 pages), Marked Up Specification (10 pages), Information Disclosure Statement, PTO Form 1449, copies of WO publication, International Search Report, International Preliminary Examination Report, PCT Request, Written Opinion, PCT/IB/332, PCT/IB/306, PCT/IB/301, PCT/IB/304, 9 cited foreign references, copies of 2 Co-pending Applications, Attachment 1(f), **Check \$1538.00**

APPLICANT(S): Joo-Ho KIM, et al.

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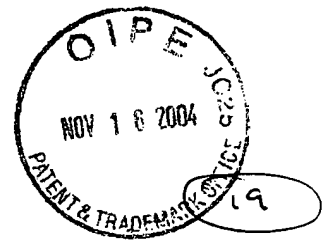
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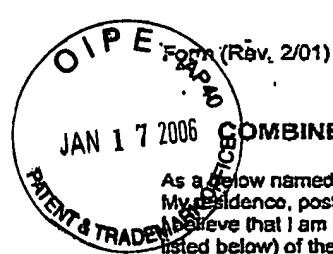
TITLE: RECORDING MEDIUM HAVING HIGH MELTING POINT RECORDING LAYER,  
INFORMATION RECORDING METHOD THEREOF, AND INFORMATION  
REPRODUCING APPARATUS AND METHOD THEREFOR

FILING DATE: November 16, 2004

DOCKET NO: 1793.1553 MDS/DXR:cr

DUE DATE: November 16, 2004





## COMBINED DECLARATION/POWER OF ATTORNEY FOR UTILITY/DESIGN PATENT APPLICATION

As a below named inventor, I hereby declare that

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**RECORDING MEDIUM HAVING HIGH MELTING POINT RECORDING LAYER, INFORMATION RECORDING METHOD THEREOF, AND INFORMATION REPRODUCING APPARATUS AND METHOD THEREFOR**

the specification of which is attached hereto, unless the following box is checked:

☒ was filed on November 16, 2004 as United States Application Number or PCT International Application Number 10/514,422 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefit(s) under 35 U.S.C. § 119(a)-(d) or § 365(a)-(c) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority NOT  
Claimed

<u>2002-141664</u> (Number)	<u>Japan</u> (Country)	<u>16/May/2002</u> Day/Month/Year Filed	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ Day/Month/Year Filed	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. § 120 or § 119(e) of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

<u>PCT/KR2003/000968</u> (Application Serial No.)	<u>16/May/2003</u> (Filing Date)	<u>Pending</u> (Status -- patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status -- patented, pending, abandoned)

I hereby appoint the attorneys and agents of Staas & Halsey LLP under USPTO Customer No. 21,171 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:



21171  
PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Joo-Ho KIM

Inventor's Signature Joo-Ho KIM

Date 15 June 2005

Residence Yongin-si, Republic of Korea

Citizenship Republic of Korea

Mailing Address 104-901 SK Apt., 700 Seocheon-ri, Giheung-eup, Yongin-si, Gyeonggi-do, Republic of Korea

Full name of second inventor Junji TOMINAGA

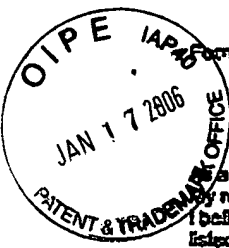
Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Residence Ibaraki, Japan

Citizenship Japan

Mailing Address Central 4, 1-1-1, Higashi, Tsukubasi, Ibaraki 305-8562, Japan



COMBINED DECLARATION/POWER OF ATTORNEY FOR UTILITY/DESIGN PATENT APPLICATION

I, the below named inventor, I hereby declare that:  
my residence, post office address and citizenship are as stated below next to my name.  
I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:  
**RECORDING MEDIUM HAVING HIGH MELTING POINT RECORDING LAYER, INFORMATION RECORDING METHOD THEREOF, AND INFORMATION REPRODUCING APPARATUS AND METHOD THEREFOR**  
the specification of which is attached hereto, unless the following box is checked:  
☒ was filed on November 18, 2004 as United States Application Number or PCT International Application Number 10/514,422 and was amended on (if applicable).  
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.  
I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.  
I hereby claim foreign priority benefit(s) under 35 U.S.C. § 118(a)-(d) or § 365(a)-(c) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority NOT Claimed

<u>2002-141664</u> (Number)	<u>Japan</u> (Country)	<u>16/May/2002</u> Day/Month/Year Filed	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ Day/Month/Year Filed	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. § 120 or § 119(e) of any United States application(s), or § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>PCT/KR2003/000988</u> (Application Serial No.)	<u>16/May/2003</u> (Filing Date)	<u>Pending</u> (Status -- patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status -- patented, pending, abandoned)

I hereby appoint the attorneys and agents of Stass & Halsey LLP under USPTO Customer No. 21,171 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:



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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Joo-Ho KIM

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Yongin-si, Republic of Korea Citizenship Republic of Korea  
Mailing Address 104-901 SK Apt., 700 Seochon-ri, Giheung-eup, Yongin-si, Gyeonggi-do, Republic of Korea

Full name of second inventor Junji TOMINAGA

Inventor's Signature [Signature] Date 06/16/2005  
Residence Ibaraki, Japan Citizenship Japan  
Mailing Address Central 4, 1-1-1, Higashi, Tsukubasi, Ibaraki 305-8562, Japan

# U.S. ASSIGNMENT

SA 11 1-00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD.  
416, Maetan-Dong, Yeongtong-gu,  
Suwon-si, Gyeonggi-do  
Republic of Korea

and

National Institute of Advanced Industrial  
Science and Technology  
1-3-1 Kasumigaseki, Chiyoda-ku  
Tokyo, Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
(Title of Invention)

## RECORDING MEDIUM HAVING HIGH MELTING POINT RECORDING LAYER, INFORMATION RECORDING METHOD THEREOF, AND INFORMATION REPRODUCING APPARATUS AND METHOD THEREFOR

relating to International Patent Application PCT/KR2003/000968 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on .

(Insert date of execution of application, if not concurrent)

(b) filed on . November 16, 2004

Serial No. : 10/514,422

Any registered attorney of STAAS & HALSEY LLP, 1201 New York  
Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500)  
is hereby authorized to insert in (b) the specified date, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).  
(Typed Name & Signature of Inventor(s)) (Date)

(Typed Name & Signature of Witness(es))

1) Joo-Ho KIM 15 June 2005

2) Junji TOMINAGA



# U.S. ASSIGNMENT

Small Logo

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD.  
416, Maetan-Dong, Yeongtong-gu,  
Suwon-si, Gyeonggi-do  
Republic of Korea

and

National Institute of Advanced Industrial  
Science and Technology  
1-3-1 Kasumigaseki, Chiyoda-ku  
Tokyo, Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest in the invention entitled  
(Title of Invention)

## RECORDING MEDIUM HAVING HIGH MELTING POINT RECORDING LAYER, INFORMATION RECORDING METHOD THEREOF, AND INFORMATION REPRODUCING APPARATUS AND METHOD THEREFOR

relating to International Patent Application PCT/KR2003/000968 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on :

(Insert date of execution of application, if not concurrent)

(b) filed on , November 16, 2004

Serial No. : 10/514,422

Any registered attorney of STAAS & HALSEY LLP, 1201 New York  
Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500)  
is hereby authorized to insert in (b) the specified date, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.


IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) \_\_\_\_\_  
Joo-Ho KIM

2)  06/16/2005 \_\_\_\_\_  
Junji TOMINAGA

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